

Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 10306US13		SERIAL NO. 09/513,216	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						APPLICANT(s): Steven E. Koenck			
						FILING DATE February 24, 2000		GROUP ART UNIT: 2838	
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
↓	1**	4,277,837	07/81	Stuckert	235	380	↓		
	2**	4,829,226	05/89	Nakamura et al.	320	112			
	3**	4,390,841	06/83	Martin et al.	324	427			
	4**	4,667,143	05/87	Cooper et al.	320	153			
	5	4,302,714	11/81	Yefsky		131			
	6	4,387,334	06/83	Loper		136			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	AA	Cell-Level Battery Charge/Discharge Protection System, Donovan, R. L., Imamura, M. S., Martin Marietta Corporation, Denver, Colorado, 12 th IECEC, Vol. 1, 1977, pp. 302-310.
	BB	Microprocessor-Controlled Battery Protection System, Imamura, M. S., Donovan, R. L., Oberg, J. L., Skelly, L. A., Julseth, D. H., Martin Marietta Corporation, Denver, Colorado, IECEC '75 Record, 1975, pp. 1307-1317
DATE CONSIDERED:		10/4/00

*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

** A copy of this reference is not included. See M.P.E.P. Section 609(A)(2). The Serial Numbers for the prior applications, to which priority is claimed under 35 U.S.C. §120, are 08/985,853, 09/223,983, and 09/270,302.

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Form PTO-1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTORNEY
DOCKET NO.
10306US13

SERIAL NO.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

APPLICANT: Koenck, Steven E.

FILING DATE
February 24,
2000GROUP
ART UNIT:
2838jc525 U.S. PTO
09/513216

02/24/00

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1**	3,683,258	08/72	Harbonn	320	103	—
	2**	3,740,636	06/73	Hogrefe et al.	↓	101	
	3**	3,754,182	08/73	Morris et al.	323	299	
	4**	3,763,416	10/73	Jache	320	147	
	5**	3,771,132	11/73	Biewer	710	61	
	6**	3,775,659	11/73	Carlsen, II	320	140	
	7**	3,823,388	07/74	Chadima, Jr. et al.	710	131	
	8**	3,911,350	10/75	Swope	320	154	
	9**	3,917,990	11/75	Sherman, JR.		150	
	10**	3,921,050	11/75	Rowas		119	
	11**	3,928,792	12/75	Mullersman et al.		154	
	12**	3,979,656	09/76	Takeda et al.	↓	104	
	13**	4,001,550	01/77	Schatz	235	379	
	14**	4,017,725	04/77	Roen	361	680	
	15**	4,045,720	08/77	Alexandres	320	150	
	16**	4,061,956	12/77	Brown et al.	↓	153	
	17**	4,072,859	02/78	McWaters	250	214R	
	18**	4,095,217	06/78	Tani et al.	345	87	
	19**	4,121,115	10/78	de Mere	307	150	
	20**	4,125,802	11/78	Godard	320	150	
	21**	4,127,803	11/78	Etienne		104	
	22**	4,140,957	02/79	Rapp		106	
	23**	4,151,454	05/79	Iida	↓	134	
	24**	4,158,194	06/79	McWaters ET AL.	382	313	
	25**	4,173,733	11/79	Sugalski et al.	320	110	
	26**	4,203,103	05/80	Osada et al.	345	38	
	27**	4,237,411	12/80	Kothe et al.	320	139	
	28**	4,227,837	07/81	Stuekert	407	53	
	29**	4,289,836	09/81	Lemelson	429	61	
	30**	4,308,492	12/81	Mori et al.	322	28	
	31**	4,308,493	12/81	Kothe et al.	320	152	

CONTINUATION OF IDS

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U.S. PATENT DOCUMENTS

32**	4,346,336	08/82	Crawford	320	147	—
33**	4,370,606	01/83	Kakumoto et al.	320	141	
34**	4,419,616	12/83	Baskins et al.		115	
35**	4,455,523	06/84	Koenck		131	
36**	4,472,672	09/84	Pacholok		145	
37**	4,494,064	01/85	Harkness	323	277	
38**	4,553,081	11/85	Koenck	320	131	
39**	4,607,208	08/86	Vreeland		145	
40**	4,621,189	11/86	Kumar et al.	235	462.45	
41**	4,649,333	03/87	Moore	320	152	
42**	4,670,703	06/87	Williams		125	
43**	4,692,682	09/87	Lane et al.		152	
44**	4,709,202	11/87	Koenck et al.		112	
45**	4,716,354	12/87	Hacker		114	
46**	4,737,702	04/88	Koenck		114	
47**	4,773,032	09/88	Uehara et al.	708	134	
48**	4,829,226	05/89	Nakamura ET AL	320	112	
49**	4,842,966	06/89	Omori et al.	429	96	
50**	4,850,009	07/89	Zook et al.	379	93.17	
51**	4,845,419	07/89	Hacker	320	136	
52**	4,885,523	12/89	Koenck		131	
53**	4,916,441	04/90	Gombrich	345	169	
54**	4,961,043	10/90	Koenck	320	132	
55**	4,965,738	10/90	Bauer et al.		136	
56**	5,110,226	05/92	Sherman et al.	400	88	
57**	5,204,611	04/93	Nor et al.	320	145	
58**	5,278,487	01/94	Koenck		132	
59**	5,463,305	10/95	Koenck		145	
60**	5,508,599	04/96	Koenck		138	
61**	5,619,117	04/97	Koenck		106	

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U.S. PATENT DOCUMENTS

62**	4,377,787	03/83	Kikuoka et al.	324	431	—
63**	4,295,097	10/81	Thompson et al.	↓	429	
64**	3,971,980	07/76	Jungfer et al.	↓	428	
65**	4,143,417	03/79	Wald et al.	360	55	
66**	4,833,390	05/89	Kumada et al.	320	150	
67**	3,599,071	08/71	Lapuyade et al.		↓	
68**	4,424,476	01/84	Mullersman		↓	
69**	5,013,993	05/91	Bhagwat et al.		↓	
70**	5,136,231	08/92	Faulk		134	
71**	4,829,259	05/89	Konopka		112	
72**	4,862,013	08/89	Konopka		150	
73**	4,885,522	12/89	Konopka	↓	145	
74**	4,329,226	5/82	Nakamura	210	280	?
75**	4,309,841	6/82	Martin et al. ASANO	446	440	?
76**	4,593,272	6/86	Berkowitz	340	500	
77**	4,677,143	05/87	Cooper et al. LAURIN ET AL.	424	618	?
78**	4,849,682	07/89	Bauer et al.	320	106	
79**	5,150,031	09/92	James et al.		164	
80**	5,191,277	03/93	Ishikura et al.		114	
81**	5,365,160	11/94	Leppo et al.		160	
82**	5,986,435	11/99	Koenck		136	
83**	5,883,492	03/99	Koenck		107	
84**	5,883,493	03/99	Koenck		114	
85**	5,696,435	12/97	Koenck		145	
86**	5,363,031	11/94	Miller et al.		115	
87**	5,856,737	01/99	Miller et al.		152	
88**	5,493,199	02/96	Koenck et al.	↓	106	↓

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
80	A**	56-28476	3/20/81	Japan	—	—	X	
	B**	DE-A-2520599	11/18/76	German (G.E.)				
	C**	WO-A-8902182	3/9/89	WIPO (Black & Decker Inc.)				
	D**	A-1354491	05/74	Great Britain				
	E**	A-2589292	04/87	France				
↓	F**	WO-A-8802565	04/88	WIPO (Black & Decker Inc.)	↓	↓		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
80	AA**	Japanese language version of "The Institute of Television Engineers Technology Report," Vol. 4, No. 44, March 1981
	BB**	Certified English language translation of "The Institute of Television Engineers Technology Report," Vol. 4, No. 44, March 1981
	CC**	"NHK LABORATORIES NOTE" Serial No. 302, July 1984
	EE**	Norand Corporation Specification Sheet for Norand 101-XL Portable Data System, 1978.
	FF**	Norand Corporation Brochure regarding Norand "Sprint 100" Portable Order Entry Terminal, 1979
↓	GG**	Norand Corporation Specification Sheet for Norand 101XL "Alpha-1" Portable Data System, 1980.
EXAMINER		DATE CONSIDERED
<i>[Signature]</i>		10/3/00
<p>*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		

** A copy of this reference is not included. See M.P.E.P. Section 609(A)(2). The Serial Numbers for the prior applications, to which priority is claimed under 35 U.S.C. '120, is 08/985,853, 09/223,983, and 09/270,302.